

Batka, Allan

From: Theodore Pagano, P.E., P.G. <tpagano@mipotash.com>
Sent: Tuesday, February 24, 2015 10:46 AM
To: Batka, Allan
Subject: Re: MPC Completeness Review
Attachments: 7520-14 Plugging, 1D,2D,3D Executed.pdf

Allan,

As suggested, please find attached, form 7520-14 for the three wells, signed.

Originals on their way today.

Sincerely,

Ted Pagano

On Tue, Feb 24, 2015 at 7:13 AM, Batka, Allan <batka.allan@epa.gov> wrote:

Hello Ted,

I was out of the office since 2/13 and I'm now just catching up on email.

I finished the completeness review for the class 1 applications. The only deficiency is that EPA Form 7520-14 (Plugging and Abandonment Plan) was not submitted for each well. I double checked the hardcopy application and CD that was included and could not find this required form. All submitted information for plugging and abandonment in the application was complete, but we need the signed/certified forms for each well.

You can send these signed forms to me via email, but you will also need to send me the original signed hard copies via us postal service.

If you have any questions please call me at 312-353-7316 or email.

thank you

Allan Batka


 United States Environmental Protection Agency
 Washington, DC 20460

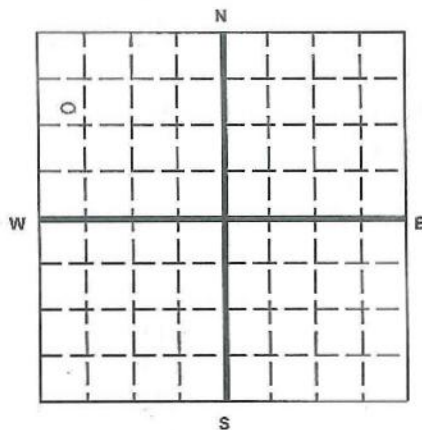
PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility

MPC 1D

Name and Address of Owner/Operator

 Michigan Potash Operating, LLC c/o Fox Rothschild
 1225 17th Street, Suite 2200, Denver, CO 80215

 Locate Well and Outline Unit on
 Section Plat - 640 Acres


State

Michigan

County

Osceola

Permit Number

Surface Location Description

SE 1/4 of SW 1/4 of NW 1/4 of NW 1/4 of Section 31 Township 17 Range 8

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface

 Location ft. from (N/S) N Line of quarter section 1051' FRM N

 and ft. from (E/W) W Line of quarter section. 376' FRM W

TYPE OF AUTHORIZATION

- ☒ Individual Permit
☐ Area Permit
☐ Rule

Number of Wells 1

WELL ACTIVITY

- ☒ CLASS I
☐ CLASS II
☒ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage
☐ CLASS III

Lease Name

Well Number MPC 1D

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
7	23-28	0	5160	8 3/4

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☐ The Balance Method
☐ The Dump Bailer Method
☐ The Two-Plug Method
☒ Other

CEMENTING TO PLUG AND ABANDON DATA:

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	8 3/4"	7"					
Depth to Bottom of Tubing or Drill Pipe (ft)							
Sacks of Cement To Be Used (each plug)	155	775					
Slurry Volume To Be Pumped (cu. ft.)	228	1140					
Calculated Top of Plug (ft.)	5130	0					
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)	14.2	14.2					
Type Cement or Other Material (Class III)	A	A					

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)

From	To	From	To
5160	5550 TVD		

Estimated Cost to Plug Wells

\$ 30,400

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)

Theodore A. Pagano, P.E., P.G., General Manager

Signature

Date Signed

10/01/2014

Paperwork Reduction Act Notice

The public reporting and record keeping burden for this collection of information is estimated to average 4.5 hours for operators of Class I hazardous wells, 1.5 hours for operators of Class I non-hazardous wells, 3 hours for operators of Class II wells, and 1.5 hours for operators of Class III wells.

Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to the collection of information; search data sources; complete and review the collection of information; and, transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control numbers for EPA's regulations are listed in 40 CFR Part 9 and 48 CFR Chapter 15.

Please send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including the use of automated collection techniques to Director, Office of Environmental Information, Collection Strategies Division, U.S. Environmental Protection Agency (2822), Ariel Rios Building, 1200 Pennsylvania Ave., NW., Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, 725 17th Street, NW., Washington, DC 20503, Attention: Desk Officer for EPA. Please include the EPA ICR number and OMB control number in any correspondence.



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Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

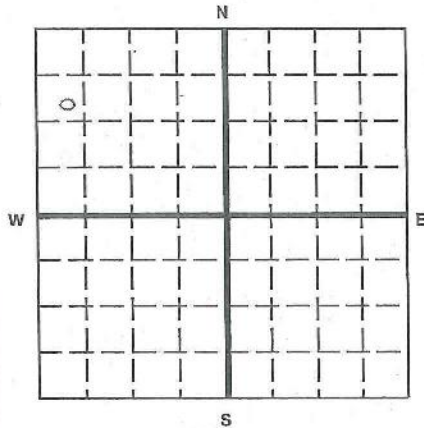
Name and Address of Facility

MPC 2D

Name and Address of Owner/Operator

Michigan Potash Operating, LLC c/o Fox Rothschild
1225 17th Street, Suite 2200, Denver, CO 80215

Locate Well and Outline Unit on
Section Plat - 640 Acres



State

Michigan

County

Osceola

Permit Number

Surface Location Description

SE 1/4 of SW 1/4 of NW 1/4 of NW 1/4 of Section 31 Township 17 Range 8

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface

Location ft. from (N/S) N Line of quarter section 1050' FRM N
and ft. from (E/W) W Line of quarter section. 396' FRM W

TYPE OF AUTHORIZATION

- ☒ Individual Permit
☐ Area Permit
☐ Rule

Number of Wells 1

WELL ACTIVITY

- ☒ CLASS I
☐ CLASS II
☒ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage
☐ CLASS III

Lease Name

Well Number MPC 2D

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
7	23-28	0	5700	8 3/4

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☐ The Balance Method
☐ The Dump Bailer Method
☐ The Two-Plug Method
☒ Other

CEMENTING TO PLUG AND ABANDON DATA:

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	8 3/4"	7"					
Depth to Bottom of Tubing or Drill Pipe (ft)							
Sacks of Cement To Be Used (each plug)	160.00	1030					
Slurry Volume To Be Pumped (cu. ft.)	233.00	1511.00					
Calculated Top of Plug (ft.)	5590	0					
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)	14.2	14.2					
Type Cement or Other Material (Class III)	A	A					

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)

From	To	From	To
5185 TVD, 5700 MD	5550 TVD, 6130 MD		

Estimated Cost to Plug Wells

\$ 30,400

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Name and Official Title (Please type or print)

Theodore A. Pagano, P.E., P.G., General Manager

Signature

Date Signed

10/01/2014

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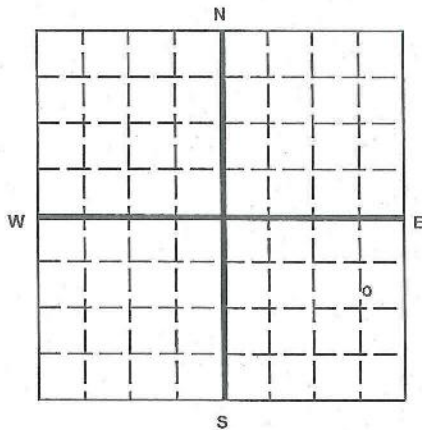
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Section Plat - 640 Acres



State

Michigan

County

Osceola

Permit Number

Surface Location Description

SW 1/4 of SE 1/4 of NE 1/4 of SE 1/4 of Section 36 Township 17 Range 9

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface

Location ___ ft. from (N/S) N Line of quarter section 1168' FRM Nand ___ ft. from (E/W) E Line of quarter section. 442' FRM E

TYPE OF AUTHORIZATION

- ☒ Individual Permit
☐ Area Permit
☐ Rule

Number of Wells 1

WELL ACTIVITY

- ☒ CLASS I
☐ CLASS II
☒ Brine Disposal
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☐ Hydrocarbon Storage
☐ CLASS III

Lease Name

Well Number MPC 3D

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Calculated Top of Plug (ft.)	5130	0					
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)	14.2	14.2					
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